

Graduation Examination Works

27-12-8/27

for completing the examination work.

ASSOCIATION: Trade School # 13, Leningrad (Remeslennoye uchilishche # 13,  
Leningrad)

AVAILABLE: Library of Congress

Card 2/2

ENGLIN, R., prepodavatel'

Modelmaking and students' success in their studies. Prof.-  
tekh.obr. 19 no.2:18-19 F '62. (MIRA 15:2)

1. Remeslennoye uchilishche No.13, g. Leningrad.  
(Ships--Models)

"PALLER, Abram Mikhaylovich; SOKOLOV, Vladimir Fedorovich; FRID,  
Ye.G., inzh., retsenzent; ENGLIN, R.K., inzh., retsenzent;  
RIMMER, A.I., nauchn. red.; SOSIPATROV, O.A., red.;  
KOROVENKO, Yu.N., tekhn. red.

[Shipfitter] Sudovoi sborshchik. Leningrad, Sudpromgiz,  
1963. 327 p. (MIRA 16:11)  
(Shipfitting)

SHVAYSHTYN, Z.I.; ENGLIN, R.K.

Ice breaking by vibration. Trudy AANII 267:89-99 '64

MINACHEV, Kh.M.; MARKOV, M.A.; BOGOMOLOV, V.I.; ENGLINA, F.E.

Transformation of cyclic alcohols on neodymium oxide. Izv. AN  
SSSR. Ser.khim. no.1:13-17 Ja '64. (MIRA 17:4)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

FREYDLIN, L.Kh.; SLADKOVA, T.A.; ENGLINA, F.E.

Reaction of hydrogenation of adipodinitrile on a nickel-magnesium catalyst in absence of ammonia. Izv. AN SSSR. Ser. khim. no.7:1248-1253 '65. (MIRA 18:7)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

**"APPROVED FOR RELEASE: Thursday, July 27, 2000**

**CIA-RDP86-00513R00041212**

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From Volga-region crudes, both middle boiling-range fractions, were used. The samples passed GOST 10227-62 specifications except for maximum 10% in

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

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CIA-RDP86-00513R00041212(

1 18019-66 EMT (M) / ENP (J) / T SOURCE CODE: UR/0065/66/000/002/004/1/0049  
ACC (M) AP6006450

AUTHOR: Chertkov, Ya. B.; Bol'shakov, G. F.; Glebovskaya, Ye. A.; Englina, G. B. 55  
54

ORG: none B

TITLE: Structure of insoluble fraction of resins of medium boiling range petroleum [jet] fuels 55, 44

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 2, 1966, 47-49

TOPIC TAGS: jet fuel, fuel gumming property, fuel additive

ABSTRACT: A study has been made of gum formation in straight-run T type [T-1, TS-1, and T-2] [jet] fuels (GOST 10227-62). Resins soluble in the fuels were isolated by silica gel chromatography and divided into three fractions: heptane-, benzene-, and methanol-soluble fractions; in the absence of the heptane-soluble fraction, the other two were insoluble in the fuel. The resins were put back in various amounts into deresinified-fuel samples. Then the sample was stored for one year at room temperature with or without access of atmospheric oxygen, after which existent gums were determined gravimetrically and subjected to IR analysis. It was found that with increasing number of hetero atoms and functional groups in the resin molecule, resin solubility in the fuel decreased. With increasing amount of resins added to the fuel, gums increased. Obviously, the high-molecular-weight portion of the resins, particularly the fuel-insoluble resins, very strongly activated the formation of

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UDC: 001.5:665.521.3

L 10014-00

ACC NR: AP6006450

insoluble gums similar to them. The gums were formed by the reaction of compounds of various molecular weights via free oxygen- and sulfur-containing functional groups, and via certain unsaturated bonds in hydrocarbon radicals of hetero atom-containing compounds. When the fuel was in contact with oxygen, gums increased sharply, which confirms the oxidation-polymerization character of gum formation. Gum formation could be limited or prevented by additives. For example, in the presence of 0.005% of a mercaptobenzothiazole derivative [unspecified] in heptane-soluble resin-containing fuel stored for one year in the presence of atmospheric oxygen, the amount of gums formed was 1/5 of that formed in the absence of the additive. Orig. art. has: 1 figure.

[SM]

SUB CODE: 21/ SUBM DATE: none/ ORIG REF: 001/ ATD PRESS: 4 212

Card

2/2

L 34117-66 EWT(m)/T WE

ACC NR: AP6012847

SOURCE CODE: UR/0080/66/039/004/0906/0911

AUTHOR: Chertkov, Ya. B.; Englina, G. B.

ORG: none

TITLE: Phase transformations in resins of middle-distillate petroleum fuels

SOURCE: Zhurnal prikladnoy khimii, v. 39, no. 4, 1966, 906-911

TOPIC TAGS: resin, fuel stability, petroleum fuel, *FUEL PROPERTY*

ABSTRACT: To determine whether the formation of resins (liquid and solid phases) takes place in fuels at low temperatures, the phase behavior was studied in fuels at 15 - 20C in connection with the accumulation and presence in these fuels of resins constituting the products of oxidation and condensation of organic impurities other than hydrocarbons and unstable hydrocarbons. Fuels T-1 (from Azerbaydzhan crudes) and TS-1 (from Volga region crudes) were studied. The middle-distillate fuels were found to contain 3 - 7% of solid matter insoluble in the fuel. The resins soluble in the fuel undergo condensation at first, then form a phase which is insoluble in the fuel. The conversion rate depends on the conditions, i. e., duration of the process, effect of light, access of atmospheric oxygen,

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UDC: 662.68

L 34117-66

ACC NR: AP6012847

temperature, etc. The solid resinous phase even initiates the resinification of stable fuel from which resins had first been removed. The process of formation of secondary resins also goes through a stage where soluble resins are formed and condensed until they form a solid phase insoluble in the fuel. The more condensed the solid resinous phase, the stronger its influence on the resinification of the fuel. The formation of resins in the fuel may be represented by the following sequence: resins soluble in fuel → condensation → colloidal system → suspension → settling (partial separation) of solid phase insoluble in fuel. Orig. art. has: 10 figures and 1 table.

SUB CODE: 07 / SUBM DATE: 17Apr64

Card 2/2 *rela*

ENGLIS, Miroslav (Praha 2, U nemocnice 2)

Nucleic acids. Cas. lek. cesk. 98 no.28:lek. veda zahr.,158-167 10  
July 59.

1. Laborator pro fyziologii krevetvorne soustavy a jater, reditel prof.  
dr. M. Netousek. Katedra lekarske fyziky fakulty vseobecneho lekarstvi  
EU v Praze, vedouci doc. dr. Z. Dienstbier.

(NUCLEIC ACIDS  
review (Cz))



ENGLIS, M.; DIENSTBIER, M.

"Principles and results of radiobiology" by Hedi Fritz-Miggli.  
Reviewed by M.Englis and Z.Dienstbier. Jaderna energie 6  
no.6:216 Je '60.

VOLEK, Vladimir; ENGLIS, Miroslav

Enzymatic aspects of temporary post-irradiation changes. Cas.  
lek.cesk.99 no.37:197-203 9 S'60.

1. I. interni klinika fakulty vseobecneho lekarstvi MU v Praze,  
prednosta prof. MUDr. V.Hoenig. Laborator pro patofyziologii  
krvetvorby a jater, reditel prof. MUDr. V.Hoenig. Katedra lekarske  
fyziky a nuklearni mediciny, vedouci doc. MUDr. Z.Dienstbier.  
(RADIATION EFFECTS)  
(ENZYMES metabolism)

HERMANSKY, F.; ENGLIS, M.; PITHA, J.; POSSNEROVA, V.

Atypical reticulomyelosis following the administration of calf DNA  
to newborn mice C57Bl. Neoplasma 8 no.5:463-470 '61.

1. Research Laboratory for Hematology and Liver Diseases, 1st Medical  
Clinic, 1st Institute of Pathological Anatomy, Charles University,  
Prague, Czechoslovakia.

(DESOXYRIBONUCLEIC ACID toxicol) (LEUKEMIA exper)



ENGLIS, Miroslav; KORINEK, Jaroslav

Cryoproteinemia. Cas. lek. cesk. 101 no.37:1105-1110 14 S '62.

1. I interni klinika fakulty vseobecneho lekarstvi KU v Praze a  
laborator pro patofyziologii krevetvorby a jater, reditel prof. dr.  
V. Hoenig Katedra lekarske fyziky a nuklearni mediciny v Praze, vedouci  
doc. dr. Zd. Dienstbier Ustav hematologie a krevni transfuze v Praze,  
reditel prof. dr. J. Horejsi.  
(CRYOGLOBULINS)

ENGLISOVA, M.; ENGLIS, M.; KOURILEK, K.; MASEK, K.

Contribution to the isoenzyme diagnosis of myocardial infarct.  
Cas. lek. cesk. 103 no.34:942-944 21 Ag '64.

1. Oddeleni klinickych laboratorii UVN v Praze-Stresovicich (nace  
lnik MUDr. M. Arient, CSc.) a Katedra klinicke biochemie UDL  
v Praze (vedouci MUDr. K. Masek, CSc.).

ENGLIS, M.; ENGLISOVA, M. (Praha 10, Ruska 85)

Contribution to the study of properties of the Bence Jones protein.  
Cas. lek. cesk. 104 no.35:938-939 3 S '65.

1. Katedra klinické biochemie Ústavu dětského lékařství v Praze  
(vedoucí MUDr. K. Masek, CSc.) a Klinické laboratorie UV v Praze  
(náměstník pplk. MUDr. M. Arient, CSc.). Submitted February 1965.

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ENGLISOVA, M.; ENGLIS, M.; KOURILEK, K.; MASEK, K.

Contribution to the isoenzyme diagnosis of myocardial infarct.  
Cas. lek. cesk. 103 no.34:942-944 21 Ag '64.

1. Oddeleni klinickyh laboratorii UVN v Praze-Stresovicich (nace  
lnik MUDr. M. Arient, CSc.) a Katedra klinicke biochemie UDL  
v Praze (vedouci MUDr. K. Masek, CSc.).

ENGLIS, M.; ENGLISOVA, M. (Praha 10, Ruska 85)

Contribution to the study of properties of the Bence Jones protein.  
Cas. lek. cesk. 104 no.35:938-939 3 S '65.

1. Katedra klinické biochemie Ústavu dětského lékařství v Praze  
(vedoucí MUDr. K. Masek, CSc.) a Klinické laboratorie UV v Praze  
(náměstník pplk. MUDr. M. Arient, CSc.). Submitted February 1965.

ENGLSMANN, F.; DRDKOVA, S.

Some neurotic symptoms in leading industrial executives. Activ.  
nerv. sup. 6 no.1:105-106 '64.

\*

ENGMAN, Emeryk

The rank of the Bialystok Voivodeship in the national economy  
is going up. Przegl techn no.40:13 7 0 '62.

ENGMAN, E.

The Fasty Textile Works have profited from the good activities of the factory branch of the Association of Engineers and Technicians. Przegl techn 84 no.21:5 26 My '68.

26, 2312

9,3120(1003,1137,1140)

S/109/60/005/008/005/024

E140/555

AUTHORS: Kirsanova, T.S., Shul'man, A.R. and Engovatova, N.I.

TITLE: Emissivity of Thin Barium Oxide Films on Metal Bases

PERIODICAL: Radiotekhnika i elektronika, 1960, Vol.5, No.8,  
pp.1225-1232

TEXT: In the study of thin films, the emissivity provides a fuller evaluation of the state of the system than a knowledge of work function. Further, emissivity is of independent interest since, in the last analysis, it is precisely emissivity that is the important characteristic. Nevertheless both indices give only aggregate results and are no measure of the individual elementary processes (evaporation, migration, chemical reaction, etc.). The present work therefore studies the variations of emissivity of thin barium oxide films on tungsten occurring as a result of prolonged heating at various temperatures. The results of the study indicate that the emissivity of these systems depends substantially on temperature and on the heat-treatment cycle of the films. Optimum emissivity is obtained at definite temperatures. This is taken to indicate that variations in film state are not connected only with

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S/109/60/005/008/005/024  
E140/E555

Emissivity of Thin Barium Oxide Films on Metal Bases

evaporation of active material, since variation of work function with thickness occurs monotonically. It is necessary to suppose the existence of at least two elementary processes. The curves obtained suggest the usual activation characteristic of an oxide cathode. It is therefore supposed that at temperatures of the order of 1200-1400°K, free barium appears in the systems studied. An inverse relationship is found between the thickness of optimal coating and activation temperature. However, the Richardson work function is independent of initial film thickness. It is proposed that increase of emission is not connected with decrease of work function but with variation of the area of the emitting centres, directly related to coating thickness at low thicknesses. It is supposed that the variations observed are connected with changes of state of the film material. The data obtained also are consistent with the concept of migration of particles over the surface during heat-treatment. Acknowledgments are made to the graduate student V. I. Zarudnyy for his assistance. There are 6 figures, 2 tables and 8 references: 6 Soviet and 2 non-Soviet.

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S/109/60/005/008/005/024  
E140/E555

Emissivity of Thin Barium Oxide Films on Metal Bases

ASSOCIATION: Leningradskiy politekhnicheskii institut imeni  
M. I. Kalinina (Leningrad Polytechnical Institute  
imeni M. I. Kalinin)

SUBMITTED: December 21, 1959

Card 3/3



ENGST, A. ; KORECKY, J.

"Silicon, as a heat-insulating powder." p. 446.

STROJIRENSTVI. (MINISTERSTVO TEZKEHO STROJIRENSTVI, MINISTERSTVO PRESNEHO  
STROJIRENSTVI A MINISTERSTVO AUTOMOBILOVEHO PRUMYSLU A ZEMEDELSKYCH STROJU.)  
Praha, Czechoslovakia, Vol. 9, no. 6, June 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.  
Uncl.

L 38574-66 EWT(m)/T/EWP(t)/ETI IJP(c) JD

ACC NR: AP6027697

SOURCE CODE: CZ/0057/66/000/004/0183/0-86

AUTHOR: Engst, Augustin; Benak, Alois

28

ORG: SONP, Kladno

13

TITLE: Induction hardening of tractor crankshafts

SOURCE: Hutnik, no. 4, 1966, 183-186

TOPIC TAGS: engine crankshaft, tractor, induction hardening, metallurgic machinery, steel/CSN15230 steel

ABSTRACT: Methods used in surface hardening are reviewed. A new process for the hardening was developed by the Research Institute of the ZEZ firm at Prague. An installation using this process was erected at the SONP works at Kladno; it consists of a source of medium frequency electrical current, the hardening apparatus, equipment for water and air supply, and the necessary control instruments. The current frequency used is 10,000 cycles. The hardening apparatus is of domestic design, made by the ZEZ works. It can be used for surface hardening of series of crankshafts up to 1000 mm long and weighing up to 45 kg. The steel used for the crankshafts is CSN steel 15230. The surface is nitrided. Poldi steels CVX, W6H, W5W, and W5H give good crankshafts. Orig. art. has: 6 figures. [JPRS: 36,646]

11

SUB CODE: 13, 11 SUBM DATE: none / ORIG REF: 002 / SOV REF: 001

Card 1/1 K/

ENGST, R.; ACKERMANN, H.

Investigation of the ability of various pesticides to inhibit  
cholesterinase in vitro. Cesk. hyg. 10 no.3:213-214 My 1965.

1. Ustav pro vyzivu Nemecke akademie ved, Postupim.

ENGVER, Ye. A.

Minakov, A. G. and Engver, Ye. A. - "Reverberatory furnaces for fusion of flux,"  
(Taken from the working experience of the 'Avtosteklo' plant), Trudy po avtomat.  
svarke pod flyusom (In-t elektrosvarki im. Patona), Symposium 4, 1949, p. 56-62,  
with a diagram

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949)

ENGVER, Ye. A.

AUTHORS: Engver, Ye.A., Chief Engineer of the "Proletariy" Works, Katayeva, G.V., Orlova, M.P.,  
Collaborators of the Institute for Glass 72-2-3/20

TITLE: The Practical Application of Ammonium-Sulfate for the Acceleration  
of the Process of Glass Smelting (Praktika primeneniya sul'fata  
ammoniya kak uskoritelya varki stekla).

PERIODICAL: Steklo i Keramika, 1958, Nr 2, pp. 6-7 (USSR)

ABSTRACT: The staff of the "Proletariy" works, together with the working group  
of the Institute for Glass, carried out a practical test with the  
continuous glass-smelting furnace Nr 2 having a total surface of  
141.6 m. A.L. Nikanorova participated in this work. The authors  
further describe the temperature conditions of the furnace, the chem-  
ical composition of the glass, and the composition of layers. The  
correlation of the Na<sub>2</sub>O-quantities, which were introduced by soda  
and sulfate into the layer, was 90:10, the moisture content of the  
layer 0.5%. 20-25% of sorap was added. Before the use of ammonium-  
sulfate the layer contained 0.15% F', which exercises no noticeable  
influence on the acceleration of glass smelting. This quantity was,  
however, left in the layer also further. After the introduction of

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The Practical Application of Ammonium-Sulfate for the  
Acceleration of the Process of Glass Smelting

72-2-3/20

3% ammonium-sulfate, smelting and refining of the glass mass improved considerably. The entire heat conditions of the furnace as well as the technological process remained unchanged, only the means of reduction (coal) was increased from 8 to 11% of the weight of the ammonium-sulfate introduced. The characteristic values of work before and after introduction of the ammonium-sulfate are shown in a table. There are 1 table and 2 Slavic references.

ASSOCIATION: Zavod "Proletariy" (Proletariy Works), Institut stekla (Institute for Glass)

AVAILABLE: Library of Congress

Card 2/2

ENGVER, Ye.A.

On the path of technical progress. Stek.i ker. 18 no.9:3-4 S  
'61. (MIRA 14:10)

1. Glavnyy inzh. stekol'nogo zavoda "Proletariy".  
(Glass manufacture)

NIKOLAYEV, Ye.I., inzh.; AYZINA, T.V., inzh.; ENGVER, Ye.A., inzh.;  
SHEVCHENKO, Ye.T., inzh.

Rapid glost firing of enameled glass tablets in gas kilns. Stek.  
i ker. 22 no.9:38-39 S '65. (MIRA 18:9)

1. Institut gaza AN UkrSSR (for Nikolayev). 2. Stekol'nyy zavod  
"Proletariy" (for Ayzina, Engver, Shevchenko).



MEYER, L.

New theory on the internal constitution of the earth. p. 277

Vol. 85, no. 3 July/Sept. 1955

SOURCE: Monthly list of East European Accessions, (EEAL), Lc, Vol. 5,  
No. 3, March 1956

LNIGR, M.  
ENIG, K

New methods of control of parasitic diseases in cattle. Wiadomosci  
parazyt., Warsz. 3 no.5:455-459 1957.

1. Z Zakladu Parazytologii i Zoologii Wyzszej Szkoły Weterynaryjnej w  
Hannowerze (HRF).

(CATTLE, diseases,  
parasitic dis., control (Pol))

(PARASITIC DISEASES, prevention and control,  
in cattle (Pol))

SECRET  
15-SEP-86

SECRET  
15-SEP-86

SECRET  
15-SEP-86

ENIK, G.I.; DIMITRIEV, G.N.

Coking of coal mixtures processed with resins. Khim i industriia 34  
no.2:45-48 '62.

ENIKOV, K

"Artificial fertilizers and the grass rotation system in agriculture", p 116  
(KOOPERATIVNO ZEMELJE, Vol 6 #4, Apr. 1951, Bulgaria)

East European Vol 2 #8  
SO: Monthly List of ~~RUSSIAN~~ Accessions, Library of Congress, August 1953, Uncl.

ENIKOV, K.

"Soil Characteristics of Our Country." p. 28,  
(KOOPERATIVNO ZEMEDELIE, Vol. 9, No. 10, 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4  
No. 5, May 1955, Uncl.

ENIKOV, K; TODOROVA, B.

ENIKOV, K; TODOROVA, B. One source of wealth still insufficiently utilized. p. 16.

Vol. 11, no. 8, Aug. 1956

KOOPERATIVNO ZEMEDELIE

AGRICULTURE

Sofia, Bulgaria

SO: East European Accession, Vol. 6, No. 3, March 1957

ENIKOV, K.

Geoponic and agrochemical description of Chernozem soils in Northern Bulgaria.

Tr. from the Bulgarian. p. 93.

(KOZLEMENYEI. Vol. 11, no. 1/4, 1957. Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957.  
Uncl.

ENIKOV, Kiril, dots.

Organization of the Academy of Agricultural Sciences in  
Bulgaria. Selskostop nauka 3 no. 1:53-57 '64.

1. Member of the Board of Editors, "Selskostopanska nauka".



ENIKOV, KH.

"Economic effectiveness of the capital invested construction of new railroad lines and reconstruction of the present lines."

TRANSPORTNO DELO., Sofia, Bulgaria., Vol. 11, No. 1, 1959

Monthly list of EAST EUROPEAN ACCESSIONS (EEAI), LC, Vol. 8, No. 7, July 1959, Unclass

43876-66 EWT(1) GW  
ACC NR: AT6011153

SOURCE CODE: UR/3197/65/000/002/0281/0287

AUTHOR: Enman, V. B.

ORG: Institute of the Physics of the Earth <sup>ANSSSR</sup> (Institut fiziki Zemli) <sup>2/  
B+1</sup>

TITLE: Movements of the earth's surface in the Avachinsk Volcano area

SOURCE: AN EstSSR. Institut fiziki i astronomii. Sovremennyye dvizheniya zemnoy kory. Recent crustal movements, no. 2, 1965, 281-287

TOPIC TAGS: epeirogeny, crustal volcanic deformation, geodetic leveling, leveling polygon, geodetic survey /Avachinsk Volcano

ABSTRACT: Results are announced of geodetic work carried out in the region of the Avachinsk Volcano to study crustal movements near this active volcano and to record the deformation of the volcano itself between and during eruptions. Studies of the vertical movements were based upon results of repeated levelings, run along a 16-km line in 1962, 1963, and 1964. Comparison of the results of the first leveling indicated that there had been a change in the elevations of the benchmark computed relative to those furthest removed from the volcano: the nearer the benchmark was to the volcano, the greater the change. The maximum benchmark settling was 38 mm/year. Leveling carried out in 1964 confirmed the settling along the line farthest from the volcano

CZ ECHOSLOVAKIA UDC 616.132-004.6:616.127):616.441-008.61

~~ERBERT, Z.~~; FELT, V.; Endocrinological Research Institute (Vyz-  
kumny Ustav Endokrinologicky), Prague, Director (Reditel) Docent  
Dr K. SILINK.

"Aortal and Coronary Atherosclerosis and Findings on the Heart  
Muscle in Thyrotoxicosis."

Prague, Casopis Lekaru Ceskyoh, Vol 105, No 42, 21 Oct 66, pp  
1137 - 1142

Abstract /Authors' English summary modified 7: The authors found  
in 50 post-mortem examinations that the degree of aortal and cor-  
onary atheromatosis is lower in subjects who suffered from thyro-  
toxicosis. Presence of diastolic hypertension increases athero-  
matosis even in subjects with thyrotoxicosis. Short-term thyro-  
toxicosis does not influence atherosclerosis, but may lead to  
myocardial infarction; disseminated myofibrosis is 3x more fre-  
quent in such subjects than in controls. 54% of patients with  
fibrillation had coronary vessels free of atheromatous lesions.  
Incidence of coronary atheromatosis, disseminated myofibrosis,  
and angina pectoris is discussed. 4 Figures, 1 Table, 15 West-  
1/1 ern, 3 Czech references. (Ms. rec. Dec 65).

- 11 -

1. YENIN, P. K.
2. USSR (600)
4. Botany, Medical - Dictionaries
7. "Encyclopedic dictionary of medicinal. volatile oil, and poisonous plants."  
G. S. Ogolevets, ed. Reviewed by P. K. Yenin. Apt. delo no 5, 1952.
9. Monthly List of Russian Accessions, Library of Congress, January, 1953. Unclassified.

✶ NNIN, P. K.

AKSEL'ROD, D.M.; NNIN, P.K., redaktor

[Arnica montana] Moskva, Medgiz, 1955. 10 p.  
(ARNICA)

(MIRA 9:11)

E NIN, P. K.

AKSEL'ROD, D.M.; NNIN, P.K., redaktor

[Adonis vernalis] Goritsvet vesennii, Moskva, Medgiz, 1955. 11 p.  
(ADONIS) (MIRA 9:11)

ENIN, P.K.

AKHABADZE, I.F.; ENIN, P.K., redaktor

[Jacob's ladder] Siniukha lazurnai. Moskva, Mezgiz, 1955. 15 p.  
(JACOB'S LADDER) (MIRA 9:11)

ENIN, T. K.

"Results of an Analysis of Segregation of Tomato Hybrids Conducted for Each Family Separately," Dokl. AN SSSR, 24, No.2, 1939.

Inst. Genetics, AS USSR



ENINSKI, Khristo, inah.

Relaying of terminals in industrial substation with alternating current. Elektroenergiia 14 no.1:10-13 Ja '63.

ENINSKI, Khristo, inzh.

Mechanical resonance in tire short circuits in high-voltage distributors. Elektroenergiia 15 no.8:17-20 Mr '64

ENISH, V.A.

Splenosis of the peritoneum. Arkh.pat. 21 no.8:71-73 '59.  
(MIRA 13:12)

(~~SPLEEN~~—DISEASES)

(PERITONEUM—DISEASES)

HOLY, JIRI; ENGLIS, Miroslav

Treatment of leukemia. Cas,lek.cesk.99 no.38:1195-1201 16 8'60.

1. I. int. klinika fakulty vseobecneho lekarstvi KU v Praze,  
prednosta prof. MUDr. V.Hoenig. Laborator pro patofysiologii  
krvetvorby a jater, reditel prof. MUDr. V.Hoenig. Katedra lekarske  
fyziky, vedouci doc. MUDr. Z.Dienstbier.  
(LEUKEMIA ther)

ENGLIS, M.

Effect of ionising radiation on the metabolism of nucleic acids.  
Cas.lek.cesk. 99 no.43:Lek Veda Zahr 217-220 21 0 '60.

1. Laborator pro patofysiologii krvetvorby a jater, reditel prof.  
dr. V.Hoenig. Katedra lekarske fyziky a nuklearni mediciny, vedouci  
doc.dr. Z. Dienstbier.

(NUCLEIC ACIDS metab)  
(RADIATION EFFECTS)

BNISKI, Christo, insh.

Automatic switching on of the reserve feed at the industrial  
substations with alternating current. Elektroenergiia 13  
no.9:11-14 S '62.

ENINYA, G. I. Cand Med Sci -- (diss) "Comperative diagnostic, prognostic, and  
expertise value of auxiliary methods of examination in ~~lumbosacral~~ radiculitis."

Riga, 1959. 19 pp (Min of Health Latvian SSR. Riga Med Inst), 300 copies

(KL, 48-59, 141)

~~ENINAH, G. I.~~

PENCIKS, A.; ~~ENINA, G.~~; BERZINS, J.; ENDZELINA, M., red.; ENGERE, L.,  
tekh. red.

[Nervous diseases] Nervu slimibas. Riga, Latvijas Valsts iz-  
devnieciba, 1961. 237 p. (MIRA 15:10)  
(NERVOUS SYSTEM—DISEASES)



ENINYA, G.I.; ONDZULS, P.A.

A portable rheograph for clinical studies. Biul. eksp. biol. i  
med. 52 no.12:105-108 D '61. (MIRA 14:12)

1. Iz laboratorii patologicheskoy fiziologii i funktsional'noy  
diagnostiki (rukovoditel' - prof. L.M.Gol'ber) Rzhskogo nauchno-  
issledovatel'skogo instituta travmatologii i ortopedii i kliniki  
nervnykh bolezney (zav. - prof. A.S.Pentsik) Rzhskogo meditsinskogo  
instituta. Predstavlena deyствitel'nym chlenom AMN SSSR V.V.Parinym.  
(ELECTROPHYSIOLOGY)

ENINA, G.T.[Enina, G.]

Bioelectric activity of muscles in cases of trophic derangements with affection of peripheral motor neurons and muscles [with summary in English]. G. Enina. Vestis Latv ak no.1:111-116 '62.

ENINFA, G.I. [Enina, G.], kand.med.nauk (Riga)

Cranial rheography in some vascular diseases. Klin.med. no.9:  
89-94 '62. (MIRA 15:12)

1. Iz kafedry nervnykh bolezney (zav. - prof. A.S. Pentsik)  
Rishakogo meditsinskogo instituta.  
(CEREBROVASCULAR DISEASE)

VINOGRADOVA, Irina Ernestovna; KREYN, S.E., prof., doktor tekhn.  
nauk, red.; KREYN, S.E., red.; ENISHERLOVA, O.M., ved.  
red.; VORONOVA, V.V., tekhn, red.

[Additives for lubricants to reduce friction and wear] Pri-  
sadki k maslam dlia snizhenia trenia i iznosa. Moskva,  
Gostoptekhnizdat, 1963. 110 p. (MIRA 16:6)  
(Lubrication and lubricants)

MUCHINSKIY, David Yakovlevich; POTOLOVSKIY, Lev Aleksandrovich;  
ENISHERLOVA, O.M., ved. red.

[Polymerization of propylene; experience in the industrial  
production of low-molecular olefins] Polimerizatsiia pro-  
pilena; opyt promyshlennogo proizvodstva nizkomolekuliar-  
nykh olefinov. Moskva, Khimiia, 1964. 90 p.  
(MIRA 17:12)

USSR/Farm Animals - Honey Bee

Q-7

Abs Jour : Ref Zhur - Biol., No 6, 1958, No 26262

Author : Enko V.A.

Inst : Not Given

Title : An Experiment in Deeping Bees in Stone Hives (Opyt soderzhaniya pchol v kamennykh ul'yakh)

Orig Pub : Pcholovodstvo, 1957, No 7, 39-41

Abstract : The wall of the hive consists of the internal plank casing and of the external plastered brick wall 9 cm. thick; between these two walls, a space is left which is filled with heat insulating material. On the basis of 12 years of experience, it was found that wintering at large in the stone hives is borne better by the bees than sheltered wintering in wooden hives.

Cord : 1/1

57

USSR/Cultivated Plants - Fruits. Berries.

M

Abs Jour : Ref Zhur Biol., No 12, 1958, 53803

Author : Enke, V.A.

Inst : -

Title : Semi-Dwarf Apple Tree as a Filler

Orig Pub : Sad i ogorod, 1957, No 12, 42-43

Abstract : No abstract.

Card 1/1

- 116 -

|  |   |
|--|---|
| L 11602-66 EWT(1)/EWT(m)/EPF(n)-2/T/ETC(m) WW/DJ   |   |
| ACC NR: AP6000340  | SOURCE CODE: UR/0286/65/000/021/0037/0037 |
| AUTHORS: Kolenko, Ye. A.; Khalin, N. F.; Enken, I. V.<br>4/4/55 4/4/55 4/4/55  |   |
| ORG: none  |   |
| TITLE: Trap for an oil-vapor diffusion pump. Class 27, No. 176032 [announced by Physico-Technical Institute, AN UkrSSR (Fiziko-tekhnicheskii institut, AN UkrSSR), Institute for Semiconductors, AN SSSR (Institut poluprovodnikov, AN SSSR)]  |   |
| SOURCE: Byulleten' izobretenii i tovarnykh znakov, no. 21, 1965, 37  |   |
| TOPIC TAGS: diffusion pump, vacuum diffusion, vacuum oil, vacuum pump  |   |
| ABSTRACT: This Author Certificate presents a trap for an oil-vapor diffusion pump. The trap contains an antimigration device of fluorine-plastic rings fastened in the housing of the trap. To prevent the migration of the oil along the surface of the trap housing into the evacuated space, the antimigration device contains two conical rings fitted vacuum-tight into the housing of the trap. A V-shaped space is formed between the two rings. The "v" is turned toward the pump side. To prevent the condensation of oil vapors on the conical rings of the antimigration device, a guard ring is placed between the conical rings and the working chamber of the pump (see Fig. 1). The guard ring is made from a material that is not wetted |   |
| Card 1/2   | UDC: 621.537.8                            |



L 11602-66

ACC NR: AP6000340

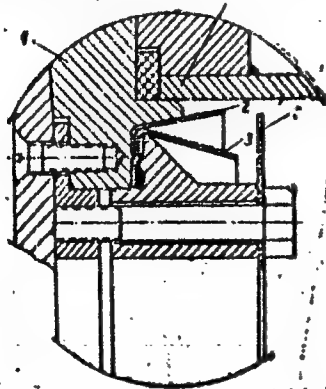


Fig. 1. 1 - Trap;  
2 and 3 - conical  
rings; 4 - diffusion  
pump; 5 - guard  
ring.

by the oil, e.g., fluorine-plastic. Orig. art. has: 1 figure.

SUB CODE: 13/

SUBM DATE: 09Sep64

Card 2/2

ENKEN, Vadim Borisovich, doktor sel'skokhoz.nauk; SHAO TSI-TSIAN'  
[Shao Ch'i-ch'ian] [translator]; TETUYUREVA, I.V., red.;  
DEYEVA, V.M., tekhn.red.

[Soybean] Soia. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959.  
621 p. (MIRA 13:5)  
(Soybeann)

ENKED, V.B.

GORDIYENKO, V.A., kand.sel'skokhozyaystvennykh nauk; LIBERSHTEYN, I.I.,  
kand.sel'skokhozyaystvennykh nauk

"Soybean" by V.B. Enken, Reviewed by V.A.Gordienko, I.I.Liber-  
shtein. Zemledelie 8 no.9 93-94 S '60. (MIRA 13:8)  
(Soybean)  
(Enken, V.B.)

ENKIN, S.A., podpolkovnik med.sluzhby

- \* Spreading medical knowledge. Voen.-med. zhur. no. 2:74 F '61.  
(MIRA 14:2)

(MILITARY HYGIENE—STUDY AND TEACHING)

17(2)

SOV/177-58-9-15/51

AUTHORS: Shul'zhenko, V.M., Colonel of the Medical Corps, Candidate of Medical Sciences; Enkler, Z.K.; Kuz'mina, Yu.T., Lieutenant-Colonel of the Medical Corps; and Kogan, R.F.

TITLE: The Study of the Etiological Characteristics of Dysentery

PERIODICAL: Voenno-meditsinskiy zhurnal, 1958, Nr 9, pp 53-55 (USSR)

ABSTRACT: The article analyzes the data of the etiological structure of dysentery in soldiers, hospitalized in the years 1951/53, in the civilian population during the same years and in other soldiers. The changes in the etiological structure are given in tables. The author came to the following conclusions: 1) on the whole, the etiological characteristic of dysentery in soldiers who were treated in a hospital during 1951/53, corresponds with past data; 2) there is no epidemiological connection between soldiers and civilians who lived in the same town during 1951/53; 3) for a full epidemiological analysis of the structure of dysentery,

Card 1/2

SOV/177-58-11-15/50

The Diagnosis of Remote Sequela of Closed Injuries of the Cerebrum in the Practice of Experts and of Dispensaries

the diagnosis of remote sequela of closed cerebral injuries. Based on material of mass investigations (more than 5,000), the relative evaluation of the frequency of microsymptoms in persons, who sustained a closed cerebral injury in the past shows that the oculo-motor nerve is most frequently injured (70%). The author suggests a method according to which the person under investigation has to fix the eyes at a motionless subject for 8-10 seconds in order to reveal the weakness of the muscles that innervate the oculo-motor nerves. In patients who sustained closed cranial traumas, the look declines from the fixing object to one side or the other. Thus, the symptom of a "defect of the fixation of the look" permits to recognize a cranial trauma before the anamnesis has been established. One case report is given.

Card 2/2

PEVNEV, A.K.; ENMAN, V.B.

Brief news. Zem.1 vsel. 1 no.2:12 and 22 Mr-Apr '65.

(MIRA 18:8)

ACC NR: AR6027198

SOURCE CODE: UR/0270/66/000/005/0042/0042

AUTHOR: Enman, V. B.

TITLE: Movement of the Earth's crust in the region near the Avachinski volcano

SOURCE: Ref. zh. Geodeziya, Abs. 5.52.281

REF SOURCE: Sb. Sovrem. dvizheniya zemn. kory. No. 2. Tartu, 1965, 281-287

TOPIC TAGS: earth crust, geodetic survey, volcano, subterranean movement

ABSTRACT: The results of geodetic studies conducted in the region near the Avachinski volcano are given. The movement of the Earth's crust near the live volcano and the deformation of the volcano itself during and between eruptions are studied. Vertical motions were studied along a path 16 km long by use of repeated leveling methods during 1962, 1963, and 1964. The results of the first leveling showed that the changes in reference points, calculated relative to the reference point farthest from the volcano, were greater for points near the volcano. The maximum lowering of a reference point was 38 mm per year. Leveling during 1964 confirmed the lowering of the reference points distant from the volcano and showed a change in direction of movement of the points near the volcano. Deformation of the volcano itself was found by determining the movement between the reference points discussed and points on the volcano. A rise of the volcano at the rate of 1 m/yr was found. Changes in

Card 1/2

UDC: 551.241:528



ACC NR: AR6027198

height of points located on the volcano (at distances of 200-400 m) were found to be 17--44 cm/yr. Horizontal deformations of the crater were studied by repeatedly measuring the elements of a grid (5 points) constructed on the volcano rim with a microtriangulation method. Changes in the order of +2.4--5.4 m were found. It is noted that a leveling platform with a total length of 200 km is created for a more complete study of movements in the volcano region. The platform crosses several different geological structures. [Translation of abstract] V. Sinyagina

SUB CODE: 08

Card 2/2

ENMAN, V.P.

The crater of Shiveluch during April 29-30, 1946. Biol.Vulk.sta.  
no.15:28-29 '48. (MLRA 9:11)  
(Shiveluch Sopka)

VARLAMOV, M.L.; KRICHEVSKAYA, Ye.L.; ENNAN, A.A.; KOZAKOVA, L.M.; MANAKIN, G.A.

Acoustic coagulation of a fog containing fluorine compounds. Zhur.  
prikl. khim. 34 no.1:78-84 Ja '61. (MIRA 14:1)

1. Kafedra tekhnologii i avtomatizatsii khimicheskikh proizvodstv  
Odesskogo politekhnicheskogo instituta.  
(Ultrasonic coagulation) (Fluorine)

VARLAMOV, M.L., doktor tekhn. nauk, prof.; KRICHEVSKAYA, Ye.L.;  
KOVNATSKAYA, B.S.; MANAKIN, G.A.; LIMONOV, V.Ye.; ENNAN, A.A.;  
KOZAKOVA, L.M.; ZBROZHEK, L.S.

Study of the absorption towers of the granulation shops of a  
superphosphate plant. Nauch. zap. Od. politekh. inst. 40:  
62-72 '62. (MIRA 17:6)

VARLAMOV, M.L., doktor tekhn. nauk, prof.; ENNAN, A.A.; KOZAKOVA, L.M.

Rapid method for determining the quality of the performance of  
electric filters. Nauch. zap. Od. politekh. inst. 40:73-76 '62.  
(MIRA 17:6)

1. Predstavlena kafedroy "Tekhnologiya i avtomatizatsiya  
khimicheskikh proizvodstv" Odesskogo politekhnicheskogo  
instituta.

ENNAN, A.A.; VARLAMOV, M.L., doktor tekhn. nauk, prof.; KOZAKOVA, L.M.;  
ERAYZER, L.N.

Determining the drop contact angles and coefficients of the drop spreading of the aqueous solutions of fluosilicic acids and sodium fluorides. Nauch. zap. Od. politekh. inst. 40: 77-82 '62. (MIRA 17:6)

1. Predstavlena kafedroy "Tekhnologiya i avtomatizatsiya khimicheskikh proizvodstv" Odesskogo politekhnicheskogo instituta.

L 1726-66 ENT(1)/FCC GW

ACCESSION NR: AP5021180

UR/0139/65/000/004/0129/0133

AUTHOR: Varlamov, M. L.; Manakin, G. A.; Ennan, A. A.

TITLE: Investigation of acoustic coagulation of aqueous fog subjected to continuous and pulsed sound

SOURCE: IVUZ. Fizika, no. 4, 1965, 129-133

TOPIC TAGS: aerosol, natural aerosol, fog, acoustic coagulation, aerosol chamber

ABSTRACT: In view of the lack of theoretical means of predicting the effects of acoustic coagulation on various aerosols, the authors used specially designed apparatus to determine experimentally the major coagulation parameters (number of particles per unit volume and size distribution of the particles). Most of the apparatus, the formulas for the particle-size distribution, and the procedure for the experimental-data reduction have been described in earlier papers by the authors and their co-workers (Sb. Primeneniye ultraakustiki k issledovaniyu veschestva [Use of ultrasonics in materials research], no. 17, MOPI, M., 1963, and earlier references). Formulas are presented for determining the aerosol concentrations at the outlet of an aerosol chamber in terms of the time spent by the aerosol in the chamber and in terms of the pulse repetition frequency (pulsed sound only). The results have established that pulsed sound at a frequency of 16.5 kcs, a pulse

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L 1726-66

ACCESSION NR: AP5021180

repetition frequency of 2 pulses/sec, a reduced pulse duty factor of 2, and a total exposure of 3—5 seconds consumes approximately half of the acoustic energy required in the case of continuous sound. Orig. art. has: 4 figures and 5 formulas. [02]

ASSOCIATION: Odesskiy politekhnicheskii institut (Odessa Polytechnic Institute)

SUBMITTED: 03Oct63

ENCL: 00

SUB CODE: ES

NO REF SOV: 005

OTHER: 000

ATT PRESS: 4095

Card 2/2



ENNER, Robert Yakovlevich; MEDVEDEVA, R., red.; TELEGINA, T., tekhn.  
red.

[Characteristics of the analysis of the work] Osobennosti  
analiza raboty avtokhoziaistva. Moskva, Gosfinizdat, 1963. 34 p.  
(MIRA 16:6)  
(Transportation, Automotive)

KAGANOV, V.Yu.; ENNO, I.K.

Adjusting a multicircuit automatic control system. Izv. vys. ucheb. zav.;  
chern. met. 8 no.7:200-205 '65. (MIRA 18:7)

1. Moskovskiy institut stali splavov.

KARABIN, Avram Iosifovich; RAMENSKAYA, Yekaterina Sergeyevna;  
ENNO, Igor' Konstantinovich

[Burning of liquid fuel in industrial installations]  
Szhiganie zhidkogo topliva v promyshlennykh ustanov-  
kakh. 2., izd. ispr. i dop. Moskva, Metallurgiya,  
1966. 371 p. (MIRA 19:1)

ENNO, Z. N.

"Visibility of Test-Objects Under Low Illuminations," Dokl. AN SSSR,  
40, No.5, 1943.

State Optical Inst.

ENNOK K. A.

109-3-2-18/26

AUTHORS: Akhmanov, S.A. and Ennok, K.A.

TITLE: Amplitude Fluctuations in the System of Two Mutually-synchronised Reflex Klystrons (Fluktuatsii amplitudy v sisteme dvukh vzaimno-sinkhronizovannykh otrazhatel'nykh klustronov)

PERIODICAL: Radiotekhnika i Elektronika, 1958, Vol.III, No.2, pp. 279 - 283 (USSR).

ABSTRACT: The problem was investigated experimentally by means of the measuring equipment shown in Fig.1. This consisted of two klystrons  $K_1$  and  $K_2$  which were coupled by means of a T-junction. The coupling could be controlled by means of attenuators,  $A_1$  and  $A_2$ . The output signal of the system was injected into a waveguide system which comprised an attenuator,  $A_3$ , a measuring line section and an accurate wavemeter, B. This was followed by a waveguide hybrid, whose one branch contained a resonator having a Q-factor of 1 000. A switch,  $\Pi P_3$ , was used to direct the investigated signal either to a power-meter or a detector head. Matching of the waveguide system was carefully controlled over a frequency range of 100 Mc/s. The experimental results are shown in

Card1/2

109-3-2-18/26

Amplitude Fluctuations in the System of Two Mutually-synchronised  
Reflex Klystrons

Figs. 2 and 3. The thin-line curves of Fig.2 represent the power output of the two Klystrons as a function of frequency; while the thick-line curves represent the distribution of the output power fluctuations or noise; Curve 4 and Curve 5 relate to the noise of the individual klystrons, while Curve 6 represents the noise of the two synchronised klystrons. Similar curves for a different klystron system are shown in Fig.3. Further curves are given in Fig.6; these were taken for a finite phase difference between the oscillations of the two klystrons. The authors thank Professor S.D. Gvozdover for proposing the subject and his help; gratitude is also expressed to K.P. Krylov for his help in the building of the equipment. There are 5 figures and 3 Russian references.

ASSOCIATION: Physics Department of the Moscow State University  
im. M. V. Lomonosov (Fizicheskiy fakul'tet  
Moskovskogo gosudarstvennogo universiteta im.  
M. V. Lomonosova)

SUBMITTED: March 8, 1956

AVAILABLE: Library of Congress

Card 2/2. 1. Klystrons-Performance-Analysis

NESIS, A.I.; KUL'KINA, L.A.; ENNS, F.G.

Electrocardiographic and rentgoenological changes of the heart  
in silicosis and anthracosilicosis. Izv. AN Kazakh. SSR. Ser.  
med. nauk no.1:80-86 '63. (MIRA 16:10)

1. Iz Kazakhskogo instituta gigiyeny truda i professional'nykh  
zabolevaniy (dir. kand. med. nauk Z.K. Tulegenov) i  
Karagandinskogo pnevmokonioticheskogo tsentra (zav. starshiy  
nauchnyy sotrudnik A.I. Nesis).

\*

NESIS, A.I.; KIN, A.A.; SHNAYDMAN, I.M.; ENNS, F.G.

X-ray and pathomorphological comparisons between cardiac changes  
in anthracosilicosis. Izv. AN Kazakh. SSR. med. nauk 11 no.  
2:50-55 '64.

(MIRA 17:7)



NESIS, A.I.; ENNS, F.G.

X-ray examination of the heart during silicosis and anthracosilicosis.  
Nauch. trudy KNIUI no.16:87-96 '64. (MIRA 18:7)

NESIS, A.I.; ENNS, F.G.

Hypertension of the pulmonary circulation in patients with silicosis  
and anthracosilicosis. Nauch. trudy KNIUI no.16:105-113 '64.

(MIRA 18:7)

ENNULO, Juhan; KHAUG, N.[Haug, N.], kand. med. nauk, red.

[Cavernostomy in the surgery for pulmonary tuberculosis] Kavernotomiia v khirurgii tuberkuleza legkikh.  
Tallinn, Izd. AN Estonskoi SSR, 1964. 130 p.  
(MIRA 18:1)

ENOIU, C., ing.

Extension of turbine drilling to deep and small diameter wells  
in Rumania. Petrol at gate 13 no.5:193-204 My '62.